

## Weekly report

### 1 Done

#### 1.1 Location Privacy

Editing section 3.

#### 1.2 Group presentation and blog:

《The Attraction Effect in Information Visualization》

#### 1.3 Homework:

A project for human-computer interaction and a survey about advanced technology.

#### 1.4 Review

After summarizing, I have discussed with Jia-Kai.

The modification need to done is listed as follow:

1) Typos.

2) Adding details:

- The differences between screen-space sanitization and our approach.
- Schemes: how to order the hierarchies; how to aggregate categorical attributes.
- Tasks: handle privacy issues with utility-awareness.
- Target users: the data owners whose data need both privacy preservation and analysis.
- Association between PER-Tree and UPD-Matrix.

- Description of iterative controls in case study.
- Dataset size.
- Future work: provide solutions of high dimensional data sets.

### 3) Modification:

- Title: remove “analyzing”.
- Design: more gap between nodes of PER-Tree.

### 4) Expert evaluation:

We need interview 2+ target users (having knowledge about privacy preservation will be better; deal with different fields will be better) about the following questions:

- How did you deal with privacy issues before?
- Did you take utility into consideration?
- If yes, how? If no, is it better to deal with privacy issues if you can preserve utility?

Ps: Mr. Wan (万群) is an ideal interviewee. We plan to find a case about loan data (close to his direction). Then, we can send him a document or a video to help him learn more about our approach before we interview him (may be his colleague as well).